APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,206	01/22/2004	Toru Matsuda	247891US2	2349

22850	7590	07/25/2006

C. IRVIN MCCLELLAND
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
1940 DUKE STREET
ALEXANDRIA, VA 22314

EXAMINER
RAYYAN, SUSAN F

ART UNIT	PAPER NUMBER
2167	

DATE MAILED: 07/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/761,206	MATSUDA ET AL.
	Examiner	Art Unit
	Susan F. Rayyan	2167

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>22 December 2004</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-23</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-23</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>22 December 2004</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some * c)☐ None of:

        1.☒ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>see action</u>.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

1.   Claims 1-23 are pending.

Information Disclosure Statement

2.   The information disclosure statements (IDS) submitted on:

1) April 22, 2004 (2 pages filed)

2) April 22, 2004 (1 page filed)

3) October 7, 2004

4) December 3, 2004

5) January 7, 2005

6) January 25, 2005

7) September 7, 2005

8) November 17 2005

9) December 19, 2005

10) January 18, 2006

, was filed before First Office Action. The submission is in compliance with the

provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being

considered by the examiner.

Claim Rejections - 35 USC § 112

3.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 is indefinite as to how and when the management of the first processing steps are actually implemented.   Is the first processing steps carried out everytime or just when a management start request is received?

It is unclear as to the relationship between " a first management unit ..." and " a second management unit ...". Additionally, it is unclear the relationship between " a second management unit ..." and " wherein the first management unit ...".

Claim 2 indicates " the first management unit starts the management of the first processing steps when a management start request and a request other than the management ...is received". It is unclear as to what would occur should the "management start request " and "the request other than the management start request" do not both occur at the same time. Would the first management unit start the management of the first processing steps or not?

It is unclear as to the relationship between " a first management unit ..." and " a second management unit ...". Additionally, it is unclear the relationship between " a second management unit ..." and " wherein the first management unit ...".

Claim 3 is indefinite as to how and when to end the management of the first

processing steps.   Is the first processing steps ended just when a management end

request is received or just when a timeout period expires?

It is unclear as to the relationship between " a first management unit ..." and " a

second management unit ...". Additionally, it is unclear the relationship between " a

second management unit ..." and " wherein the first management unit ...".

Claim 4 indicates " wherein the first management unit ends the management of

the first processing steps when a management end request is received from the client

and a predetermined time-out period expires". It is unclear as to what would occur

should the "management end request " and "a predetermined time-out period expires"

do not both occur at the same time. Would the first management unit end the

management of the first processing steps or not?

It is unclear as to the relationship between " a first management unit ..." and " a

second management unit ...". Additionally, it is unclear the relationship between " a

second management unit ..." and " wherein the first management unit ...".

Claim 5 is indefinite as to how and when the management of the second

processing steps is actually implemented.   Is the second processing steps carried out

every time or just when a management start request is received?

It is unclear as to the relationship between " a first management unit ..." and " a second management unit ...". Additionally, it is unclear the relationship between " a first management unit ..." and " wherein the second management unit ...".

Claim 6 indicates " the second management unit starts the management of the second processing steps when a management start request and a request other than the management ... is received". It is unclear as to what would occur should the "management start request " and "the request other than the management start request" do not both occur at the same time. Would the second management unit start the management of the second processing steps or not?

It is unclear as to the relationship between " a first management unit ..." and " a second management unit ...". Additionally, it is unclear the relationship between " a first management unit ..." and " wherein the second management unit ...".

Claim 7 is indefinite as to how and when to end the management of the second processing steps.   Is the second processing steps ended just when a management end request is received or just when a pre-determined timeout period expires?

It is unclear as to the relationship between " a first management unit ..." and " a second management unit ...". Additionally, it is unclear the relationship between " a first management unit ..." and " wherein the second management unit ...".

Claim 8 indicates " the second management unit ends the management of the second processing steps when a management end request is received from the client and a pre-determined time-out period expires". It is unclear as to what would occur should the "management end request " and "a pre-determined time-out period expires" do not both occur at the same time. Would the second management unit end the management of the second processing steps or not?

It is unclear as to the relationship between " a first management unit ..." and " a second management unit ...". Additionally, it is unclear the relationship between " a first management unit ..." and " wherein the second management unit ...".

Independent claim 16 is indefinite based on the same rationale as cited in claim 1 above.

Independent claim 17 is indefinite based on the same rationale as cited in claim 2 above.

Independent claim 18 is indefinite based on the same rationale as cited in claim 3 above.

Independent claim 19 is indefinite based on the same rationale as cited in claim 4 above.

Independent claim 20 is indefinite based on the same rationale as cited in claim 5 above.

Independent claim 21 is indefinite based on the same rationale as cited in claim 6 above.

Independent claim 22 is indefinite based on the same rationale as cited in claim 7

above.

Independent claim 23 is indefinite based on the same rationale as cited in claim 8

above.

Claim Rejections - 35 USC § 101

4.   35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1 –23 are rejected under 35 U.S.C. 101 because the claimed

invention is directed to non-statutory subject matter.

MPEP 2106 IV.B.2. (b) A claim that requires one or more acts to be performed defines a process. However, not all processes are statutory under 35 U.S.C. 101. Schrader, 22 F.3d at 296, 30 USPQ2d at 1460. To be statutory, a claimed computer-related process must either: (A) result in a physical transformation outside the computer for which a practical application is either disclosed in the specification or would have been known to a skilled artisan, or (B) be limited to a practical application.

Claims 1-23 in view of the above cited MPEP sections, are not statutory

because they merely recite a number of computing steps without producing any

tangible result and/or being limited to a practical application.

Independent claims 1-2, 5-6,16-17,20-21, teach "a first management unit ...", "a second

management unit ..." and "wherein the ... management unit starts the management of

the ... processing steps...". There are no concrete and tangible results.

Independent claims 3-4, 7-8, 18-19, 22-23 teach "a first management unit ...", "a second

management unit ..." and "wherein the ... management unit ends the management of

the ... processing steps...". There are no concrete and tangible results.

Claim Rejections - 35 USC § 103

5.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of

the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of

the various claims was commonly owned at the time any inventions covered therein

were made absent any evidence to the contrary. Applicant is advised of the obligation

under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was

not commonly owned at the time a later invention was made in order for the examiner to

consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g)

prior art under 35 U.S.C. 103(a).

Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over

US Patent Application Publication Number 2003/0200212 issued to Donald

Edward Benson et al ("Benson") and US Patent Number 4,627,019 issued to Fred

K. Ng ("Ng").

As per independent claim 1 Benson teaches:

a first management unit managing a series of first processing steps and incidental

information in a state where a session with a client is maintained (see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management unit managing a series of indivisible second processing

steps performed by using the function ...(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps) ,

wherein the first management unit starts the management of the first processing steps

when a management start request is received from the client or when a request other

than the management start request is received (paragraph 21, lines 4-5, begin

transaction call).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 2 Benson teaches:

a first management unit managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management unit managing a series of indivisible second processing

steps performed by using the function ......(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps) ,

wherein the first management unit starts the management of the first processing steps

when a management start request and a request other than the management start

request are received from the client (paragraph 21, lines 4-5, begin transaction call and

API calls).

Benson does teach second processing steps performed by using a function as

cited above however Benson does not explicitly teach the function needs exclusive

access control. Ng teaches a function that needs exclusive access control at column 1,

lines 28-30 to provide synchronization of current access at column 1, lines 20-25. It

would have been obvious to one of ordinary skill in the art at the time of the invention to

modify Benson with exclusive access control to provide synchronization of current

access at column 1, lines 20-25.

As per independent claim 3 Benson teaches:

a first management unit managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management unit managing a series of indivisible second processing

steps performed by using the function...(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the first management unit ends the management of the first processing steps

when a management end request is received from the client or when a predetermined

time-out period expires(paragraph 21, lines 4-5, end transaction call, paragraph 36,

timestamp and Figure 2, ExpireTimestamp).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 4 Benson teaches:

a first management unit managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management unit managing a series of indivisible second processing

steps performed by using the function ... ...(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the first management unit ends the management of the first processing steps

when a management end request is received from the client and a predetermined time-

out period expires(paragraph 21, lines 4-5, begin transaction call, paragraph 36,

timestamp and Figure 2, ExpireTimestamp).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 5 Benson teaches:

a first management unit managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management unit managing a series of indivisible second processing

steps performed by using the function ...paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the second management unit starts the management of the second processing

steps when a management start request is received from the client or when a request

other than the management start request is received (paragraph 9, lines 4-11, process

transaction at resource manager and paragraph 21, Begin and End transaction calls

and API calls).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 6 Benson teaches:

a first management unit managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management unit managing a series of indivisible second processing

steps performed by using the function ......(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the second management unit starts the management of the second processing

steps when a management start request and a request other than the management

start request are received from the client (paragraph 9, lines 4-11, process transaction

at resource manager and paragraph 21, Begin and End transaction calls and API calls).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 7 Benson teaches:

a first management unit managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management unit managing a series of indivisible second processing

steps performed by using the function ......(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the second management unit ends the management of the second processing

steps when a management end request is received from the client or when a

predetermined time-out period expires(paragraph 9, lines 4-11, process transaction at

resource manager, paragraph 21, Begin and End transaction calls and API calls and

paragraph 36, timestamp and Figure 2, ExpireTimestamp).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 8 Benson teaches:

a first management unit managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management unit managing a series of indivisible second processing

steps performed by using the function ......(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the second management unit ends the management of the second processing

steps when a management end request is received from the client and a predetermined

time-out period expires(paragraph 9, lines 4-11, process transaction at resource

manager, paragraph 21, Begin and End transaction calls and API calls and paragraph

36, timestamp and Figure 2, ExpireTimestamp).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per claim 9, same as claim arguments above and Benson teaches:

wherein the second management unit transmits, before starting the management of the

second processing steps, a lock request ... (paragraph 93).

As per claim 10 same as claim arguments above and Benson teaches:

wherein the.second management unit transmits, after ending the management of the

second processing steps, an unlock request to the module so that inhibition of using the

function by other clients than said client is canceled (paragraph 93).

As per claim 11 same as claim arguments above and Ng teaches:

the second management unit receives a lock type ... (column1, lines 26-35).

As per claim 12 same as claim arguments above and Ng teaches:

wherein the second management unit receives a lock type... (Column1, lines 26-35).

As per claim 13 same as claim arguments above and Ng teaches:

wherein the second management unit determines a classification of a lock request ...

(Column1, lines 26-35).

As per claim 14 same as claim arguments above and Benson teaches:

the second management unit transmits, before starting the management of the second

processing steps, a lock request ... (paragraph 93).

As per claim 15 same as claim arguments above and

wherein the second management unit transmits, after ending the management of the

second processing steps, an unlock request ... (paragraph 93).

As per independent claim 16 Benson teaches:

a first management step of managing a series of first processing steps and incidental

information in a state where a session with a client is maintained (see paragraph 9, lines

2-6, content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management step of managing a series of indivisible second processing

steps performed by using the function ......(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the first management step starts the management of the first processing steps

when a management start request is received from the client or when a request other

than the management start request is received (paragraph 21, lines 4-5, begin

transaction call).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at
column 1, lines 20-25.

As per independent claim 17 Benson teaches:

a first management step of managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management step of managing a series of indivisible second processing

steps performed by using the function ......(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the first management step starts the management of the first processing steps

when a management start request and a request other than the management start

request are received from the client(paragraph 21, lines 4-5, begin transaction call and

API calls).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 18 Benson teaches:

a first management step of managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management step of managing a series of indivisible second processing

steps performed by using the function ...... (paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the first management step ends the management of the first processing steps

when a management end request is received from the client or when a predetermined

time-out period expires(paragraph 21, lines 4-5, end transaction call, paragraph 36,

timestamp and Figure 2, ExpireTimestamp).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 19 Benson teaches:

a first management step of managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management step of managing a series of indivisible second processing

steps performed by using the function ......(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the first management step ends the management of the first processing steps

when a management end request is received from the client and a predetermined time-

out period expires(paragraph 21, lines 4-5, begin transaction call, paragraph 36,

timestamp and Figure 2, ExpireTimestamp).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 20 Benson teaches:

a first management step of managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management step of managing a series of indivisible second processing

steps performed by using the function ... ...(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the second management step starts the management of the second

processing steps when a management start request is received from the client or when

a request other than the management start request is received(paragraph 9, lines 4-11,

process transaction at resource manager and paragraph 21, Begin and End transaction

calls and API calls).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 21 Benson teaches:

a first management step of managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management step of managing a series of indivisible second processing

steps performed by using the function ......(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the second management step starts the management of the second processing

steps when a management start request and a request other than the management

start request are received from the client. (paragraph 9, lines 4-11, process transaction

at resource manager and paragraph 21, Begin and End transaction calls and API calls).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 22 Benson teaches:

a first management step of managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management step of managing a series of indivisible second processing

steps performed by using the function ...paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

 wherein the second management step ends the management of the second processing

steps when a management end request is received from the client or when a

predetermined time-out period expires(paragraph 9, lines 4-11, process transaction at

resource manager, paragraph 21, Begin and End transaction calls and API calls and

paragraph 36, timestamp and Figure 2, ExpireTimestamp).

   Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

As per independent claim 23 Benson teaches:

 a first management step of managing a series of first processing steps and incidental

information in a state where a session with a client is maintained(see paragraph 9, lines

2-6 , content management system equates to the first management unit and transaction

identifier equates to incidental information and generating the transactional id into a

table equates to the first processing steps and paragraph 20 , lines 5-7, sessions);

and a second management step of managing a series of indivisible second processing

steps performed by using the function ...(paragraph 9, lines 8-14, resource manager

equates to the second management unit and processing the transaction equates to the

series of indivisible processing steps),

wherein the second management step ends the management of the second processing

steps when a management end request is received from the client and a predetermined

time-out period expires (paragraph 9, lines 4-11, process transaction at resource

manager, paragraph 21, Begin and End transaction calls and API calls and paragraph

36, timestamp and Figure 2, ExpireTimestamp).

Benson does teach second processing steps performed by using a function as cited

above however Benson does not explicitly teach the function needs exclusive access

control. Ng teaches a function that needs exclusive access control at column 1, lines

28-30 to provide synchronization of current access at column 1, lines 20-25. It would

have been obvious to one of ordinary skill in the art at the time of the invention to modify

Benson with exclusive access control to provide synchronization of current access at

column 1, lines 20-25.

Contact Information

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Rayyan whose telephone number is (571) 272-1675. The examiner can normally be reached M-F: 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)..

Susan Rayyan

July 18, 2006

JOHN COTTINGHAM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100